



CONTROLLED RELEASE FERTILIZERS





Controlled Release Fertilizers (CRF)

Controlled Release Fertilizers (CRFs) are specialized fertilizers coated with a semipermeable membrane designed to gradually release nutrients into the soil over a given period of time, providing a steady and predictable supply of essential nutrients to plants. The core of the controlled release fertilizers starts to dissolve and day by day, at a rate influenced by moisture and soil temperature, small amounts of nutrients are released back into the root zone for plant uptake. This limits nutrient losses and offers predictable availability of nutrients (from 1-2 months, up to 12-14 months) that is aligned with the plant's needs.

Used by farmers around the world to increase yields and produce better crops, CRFs can supply a wide range of nutrients, from the three basic macronutrients (nitrogen, phosphorus, and potassium), to a number of micronutrients that

assist with plant growth. Uncoated fertilizers cannot be relied upon as weather and soil conditions prematurely impact the release rates during non-target intervals of plant growth and can potentially inhibit root growth by way of salt burn if slotted too close to the root zone.

CRFs are designed to provide farmers with maximum results with minimal effort. By regulating plant nutrient levels throughout the entire growth cycle, plants have limited exposure to nutrient deficiency and are able to have more uniform growth and usually higher yields. Understanding how to use controlled release fertilizers, controlled release versus slow-release fertilizers, the advantages of controlled release fertilizers, and how ICL can help with all your CRF needs will help with CRF implementation in your nutrient management program.

Advantages of Controlled Release Fertilizers

- Crop uniformity due to controlled nutrition
- Greater protection against early season "salt stress"
- Larger or equal yield with less mineral input due to continual feeding
- Improved quality due to balanced nutrition
- Easier to use with fewer applications
- High confidence that plant health is optimized
- Higher nutrient efficiency due to reduced losses
- Unique formulations
- Better for the environment due to reduction in volatilization, denitrification and leaching.



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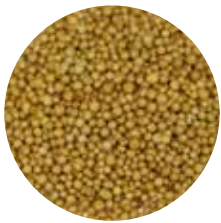


Unmatched nutritional options to meet your crops' needs and growing conditions.

Agrocote® and Agroblen® Total controlled release fertilizers are designed to deliver precision crop nutrition that can be matched to your specific crop, stage of growth, climate and overall nutritional program to maximize yields.

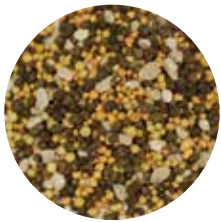
Both products use ICL's patented Resin Release Technology that precisely controls the release of nutrients. The release is regulated by soil temperature and ensures that the nutrient availability closely matches plant demand. This reduces the excess nutrients lost to the atmosphere or soil—minimizing the fertilizer's overall environmental impact—while limiting nutrient losses caused by leaching, volatilization, denitrification, and phosphorus fixation. As a result, this technology maximizes your crops' uptake and nutrition use.

The proven performance of Agrocote® and Agroblen® Total provide growers with unmatched nutritional options to meet the needs of their specific crops and growing conditions.



AGROCOTE®

- Agrocote® 10-48-0 Coated MAP (1-2M)
- Agrocote® 19-6-12 NPK (3-4M)
- Agrocote® 19-6-12 NPK (8-9M)
- Agrocote® SOP 0-0-48 (3-4M)
- Agrocote® 9-47-0 Coated MAP (3-4M)
- Agrocote® 0-0-56 Coated KCl (5-6M)
- Agrocote® 0-0-57 Coated KCl (3-4M)
- Agrocote® 18-6-12 NPK (12-14M)



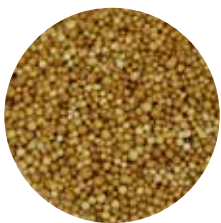
AGROBLEN® TOTAL

- Agroblen® Total 15-5-22 High K (3-4M)
- Agroblen® Total 15-4-21 with Ca and Mg +Micros (3-4M)
- Agroblen® Total 18-11-11 +Micros (3-4M)
- Agroblen® Total 12-22-12 High P (5-6M)
- Agroblen® Total 16-7-16 High NK (5-6M)
- Agroblen® Total Balanced 14-14-14 (5-6M)
- Agroblen® Total High PK 8-21-21 (5-6M)
- Agroblen® Total 17-5-11 Universal + Micros (12-14M)
- Agroblen® Total 17-9-13 (12-14M)

Deliver greater yields and superior quality fruit year after year.


Agriform provides season-long nutrient support through a resin-coated N-P-K formulation, delivering reliable plant nutrition that enhances yield and quality with minimal labor effort. Performance-proven blends offer controlled release from 6 to 14 months to match crop cycles and soil temperatures.

Designed for direct placement at planting or broadcasting, this fertilizer ensures efficient nutrient uptake and a high return on investment by reducing losses and providing consistent nutrition throughout growth.



AGRIFORM®

- Agriform® Strawberry Mix Universal Mix 18-8-13 (7-9M)
- Agriform® 13-8-18 (5-6M)
- Agriform® 18-8-13 (5-6M)
- Agriform® 18-6-12 (12-14M)
- Agriform® 23-7-12 (8-9M)
- Agriform® 22-7-11 (6-8M)



Developed to provide optimal nutrient levels to align with crop demand, our controlled-release fertilizers (CRF) are your key to improved yield, reduced nutrient losses and simplified fertilizer application.

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For specific recommendations or more information consult:
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